

## Articulation Agreement

### San Francisco Bay University (SFBU) & Merced College

SFBU Bachelor of Science in Computer Science (BSCS)					
SFBU Degree Requirements	Required SFBU course or course category	Specific Merced College Course(s)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent	
General Education Requirements (40 semester Units)	<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	ENGL101 Expository Writing	ENGL-01A College Composition & Reading	A2	ENGL100
		ENGL115 Public Speaking	COMM-01 Fundamentals of Speech <u>or</u> COMM-01H Honors Fundamentals of Speech	A1	COMM 110
		ENGL425 Modern American Literature	ENGL-11 American Literature from Post-Civil War to Present	C2	ENGL 135
		3 additional credits in area	Any course with a CSU GE A1, A2 and/or A3 designator	A1/A2/A3	n/a
	<b>Mathematics &amp; Natural Sciences</b> (16 semester credits in BSCS)	MATH201 Calculus I	MATH-04A Calculus I	n/a	MATH 210
		MATH202 Calculus II	MATH-04B Calculus II	n/a	MATH 220
		MATH203 Linear Algebra	MATH-08 Linear Algebra	n/a	MATH 250
		MATH208 Probability and Statistics	MATH-10 Elementary Statistics <u>or</u> MATH-11 Elementary Statistics	n/a	MATH 110
		PHYS201/201L Physics I with Lab	PHYS-04A Physics I <u>or</u> A course with a CSU GE Breadth designator B1 or B2 (with B3 for lab) that earned at least 4 semester units	B1, B3	PHYS 205
	<b>Arts &amp; Humanities</b> (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
	<b>Social Sciences</b> (6 semester credits)	6 credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

<sup>2</sup> Courses without a C-ID designator will be evaluated individually

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### San Francisco Bay University (SFBU) & Merced College

Major Course Requirements (65 credits BSCS)		
SFBU Degree Requirements	Required SFBU course or course category	Specific Merced College Course(s)
<b>Core Course Requirements</b> (50 units BSCS)	<b>CE305</b> Computer Organization	<b>CPSC-42</b> Computer Architecture & Organization
	<b>CS200</b> Discrete Logic	<b>CPSC-07</b> Discrete Structures <u>or</u> <b>MATH-07</b> Discrete Structures
	<b>CS250/250L</b> Introduction to Programming/Lab	<b>CTIS-04</b> Programming with Python <u>or</u> <b>CPSC-06</b> Programming Concepts & Methodology I ( <i>Meet CS250L requirement; SFBU lecture course needed for hour deficiency</i> )
	<b>CS350/350L</b> Data Structures/Lab	<b>CPSC-39</b> Programming Concepts & Methodology II
	<b>CS360/360L</b> Programming in C and C++/Lab	<b>CPSC-14</b> C++ Programming <u>or</u> <b>ENGR-14</b> C++ Programming ( <i>Meets CS360L requirement; SFBU lecture course needed for hour deficiency</i> )
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>CTIS-10</b> Introduction to Database Management Systems
	All other major course requirements not listed above (30 units)	No equivalent courses
<b>Specialization Course Requirement</b> (15 units BSCS)	<b>CS470</b> Network Engineering and Management	<b>CTIS-15</b> Computer Network Fundamentals
	<b>CS477</b> Ethical Hacking & Penetration Testing	<b>CTIS-21</b> Introduction to Cybersecurity: Ethical Hacking
	Complete three additional Specialization Courses (9 units)	No equivalent courses
<b>Electives</b>	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.

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Applicants for the Bachelor of Science in Business Administration (BSBA) who have successfully completed an ADT, or AA-T, or AS-T pathway as determined by Merced College with a GPA of 2.5 or higher will be automatically accepted into the BSBA program upon completing their admission documentation. The number of units transferable into the BSBA depends on the topic area in which the ADT, AA-T, or AS-T was earned.

SFBU Bachelor of Science in Business Administration (BSBA)					
SFBU Degree Requirements	Required SFBU course or course category	Specific Merced College Course(s)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent	
General Education Requirements (36 semester Units)	<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	ENGL101 Expository Writing	ENGL-01A College Composition & Reading	A2	ENGL100
		ENGL115 Public Speaking	COMM-01 Fundamentals of Speech <u>or</u> COMM-01H Honors Fundamentals of Speech	A1	COMM 110
		ENGL425 Modern American Literature	ENGL-11 American Literature from Post-Civil War to Present	C2	ENGL 135
		3 additional credits in area	Any course with a CSU GE A1, A2 and/or A3 designator	A1/A2/A3	n/a
	<b>Mathematics &amp; Natural Sciences</b> (9 semester credits in BSBA)	MATH208 Probability and Statistics	MATH-10 Elementary Statistics <u>or</u> MATH-11 Elementary Statistics	n/a	MATH 110
		<b>PHYS 101</b> Introduction to Physical Sciences	<b>PHYS-02A</b> General Physics I <u>or</u> transfer courses acceptable in lieu of: Physical Sciences or Biological Sciences (CSU areas B1, B2 or IGETC areas 5A, 5B)	B1, B2	n/a
		3 additional credits in area	Any course with a CSU GE Breadth designator B1, B2, B3, and/or B4	B1/B2/B3/ B4	n/a
	<b>Arts &amp; Humanities</b> (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

<sup>2</sup> Courses without a C-ID designator will be evaluated individually

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<b>Social Sciences</b> (9 semester credits)	9 credits in area	9 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a
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### Major Course Requirements (60 credits BSBA)

SFBU Degree Requirements	Required SFBU course or course category	Specific Merced College Course(s)
<b>Core Course Requirements</b> (45 credits BSBA)	<b>ACC110</b> Financial Accounting I	<b>ACTG-04A</b> Financial Accounting
	<b>BLAW310</b> Introduction to Business Law	<b>BUS-18A</b> Business Law
	<b>ECON201</b> Principles of Macroeconomics	<b>ECON-02</b> Introduction to Macroeconomics
	<b>ECON202</b> Principles of Microeconomics	<b>ECON-01</b> Introduction to Microeconomics
	<b>MGT310</b> Principles of Management	<b>MGMT-31</b> Principles of Management
	<b>MKT310</b> Principles of Marketing	<b>MKTG-30</b> Principles of Marketing
	All other major course requirements not listed above (27 units)	No equivalent courses
<b>Specialization Course Requirement</b> (15 units BSBA)	<b>ACC120</b> Managerial Accounting II	<b>ACTG-04B</b> Managerial Accounting
	<b>IT223</b> SQL & Relational Databases	<b>CTIS-10</b> Introduction to Database Management Systems
	<b>IT335</b> Python Introduction for Commerce	<b>CTIS-04</b> Programming with Python
	Complete two additional Specialization Courses (6 units)	No equivalent courses
<b>Electives</b>	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.

This agreement will automatically renew each year. In the event of significant curriculum change, SFBU staff is responsible for updating the agreement.

**Monica Sinha, Director of Admissions & Special Projects**

SFBU Staff Member (name, title)

**January 1, 2023**

Date